



DH200+ Series Digimerge Touch DVR QUICK SETUP GUIDE

PACKAGE CONTENTS:

- 1 x DIGITAL VIDEO RECORDER WITH PRE-INSTALLED HDD*
- 1 x POWER ADAPTER
- 1 x REMOTE CONTROL
- 1 x MOUSE
- 1 x USER MANUAL
- 1 x QUICK START GUIDE
- 1 x SOFTWARE CD
- 1 x OCTOPUS CABLE (included only with DH216+ series 16 Channel Touch DVRs)

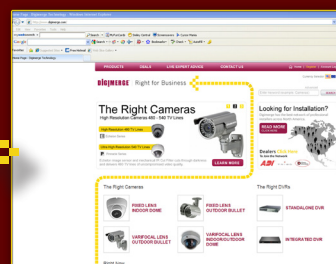
ATTENTION:

- This guide refers only to the DVR set-up.
- DVR Model, Number of Channels/ Port configuration and HDD (hard disk drive) capacity may vary by model. Check your package for specific content information.
- Monitor and Cameras are not included.
- Broadband Router and Computer are required for local and remote monitoring (not included).

It's all on the Web www.digimerge.com

Toll free tech support available after completing product registration. For more information on this product, firmware updates, warranty and accessory products, please visit:

www.digimerge.com



* For setup of Instant Mobile Viewing refer to your User Manual.

BASIC SETUP

STEP 1

BASIC INSTALLATION GUIDE

Time: 20 Minutes | Hand Tools | Skills - Easy



Connecting Cameras (not included)

- 1 Connect BNC cameras to the BNC ports (Video Input) on the rear panel.

The Octopus Cable provided with the DH216 Series DVRs only allows for 16 BNC camera connection.



NOTE: Test the cameras prior to selecting a permanent mounting location by temporarily connecting the Cameras and Cables to your DVR.

Connecting the USB Mouse

- 2 Connect the USB mouse to the USB port on the rear panel.



MOUSE TIPS

When using the mouse, the **ENTER** and **EXIT** buttons appear in the top-right corner of every menu window. When you change system settings and configurations, click to confirm your changes.



Connecting a Monitor (not included)

- 3a Connect the VGA cable (not included) from your LCD monitor to the VGA port on the rear panel of the Touch DVR.



OR

- 3b From one of the VIDEO OUTPUT ports connect a BNC terminated cable (not included) to a TV or a CCTV monitor.



BASIC SETUP

STEP 1

CONTINUED

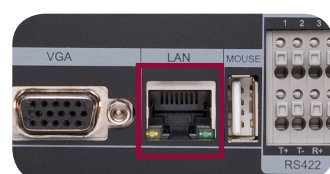
BASIC INSTALLATION GUIDE

Time: 20 Minutes | Hand Tools | Skills - Easy



Connecting the Ethernet Cable

- 4 Connect one end of the Ethernet cable (not included) (for remote monitoring) to an available LAN port of your router (not included) and the other end to the DVR's Network Port.



Powering ON the Touch DVR

- 5 Connect the power cable to the DC 12V port on the rear panel and the power cord into an electrical outlet. Touch the POWER button on the front panel OR press the POWER button on the remote control. At startup, the system performs a basic system check and runs an initial loading sequence. After a few moments, the system loads a live display view.



NOTE: You will need to input your system password (by default, 000000) to power off the system.

NOTE: Pressing the "Power" button after plugging in the power cable is only necessary for initial startup (first time out of the box).

Managing Passwords

- 6 The default system password is 000000. However, you do not have to enter a password upon initial startup. You can enable this option in **Main Menu→System→General**. For more details, please refer to the user's manual.



BASIC SETUP

STEP 1

CONTINUED

BASIC INSTALLATION GUIDE

Time: 20 Minutes | Hand Tools | Skills - Easy



Setting the Date & Time

- 7 Stop recording (including Manual and Schedule recording) on the system by pressing on the front panel, or pressing the button on the remote control and enter your 6-digit system password (by default, 000000).
1. Press the **MENU/ESC** button to open the system menu. Select **SYSTEM** and press the **ENTER** button. The System menu opens.
2. Select the **TIME** tab.
3. Select **DATE** and enter the date (mm/dd/yyyy).
4. Select **TIME** and enter the time (hh/mm/ss).
5. Press the **ENTER** button located at the top right corner of the screen to save your changes.
6. Press on the front panel, or press the button on the remote control to resume Continuous Recording.

NOTE: It is highly recommended to set the time on the system prior to doing any recording. All recording must be stopped on the system in order to set the time.

NOTE: If using the mouse right click and then click on the Virtual Remote.



Stopping Scheduled Recording: If you need to stop a recording schedule, press on the front panel or on the Remote control and enter your 6-digit system password (by default, 000000).

Using the Remote Control

- 8 1. **POWER:** Press to power the system ON/OFF (password required).
2. **Navigation/Menu**
3. : Press to switch between single channel full-screen, quad, and split-screen displays.
4. : Press to confirm menu options/ selections.
5. **Playback controls**
6. **Channel buttons:** Press to view channels 1-8.
7. Press to open the Time Search menu.
8. **CANCEL/ESC:** Press to close menu windows.
9. increase menu options.
10. decrease menu options.
11. Press to start manual recording.



NOTE: You can use the channel buttons on the remote control to enter numbers, letters, and other characters.

NAVIGATION AND CONTROLS

STEP 2

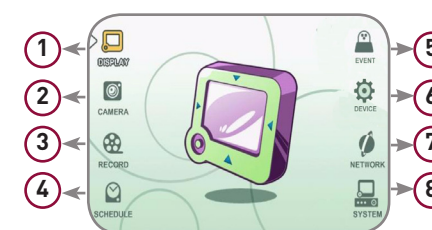
BASIC INSTALLATION GUIDE

Time: 20 Minutes | Skills - Easy



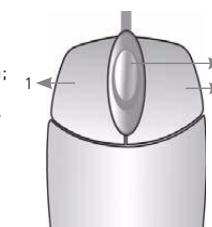
Using the Main Menu

- 1 Press the **MENU/ESC** button on the front panel or the remote control.
1. **DISPLAY**
2. **CAMERA**
3. **RECORD**
4. **SCHEDULE**
5. **EVENT**
6. **DEVICE**
7. **NETWORK**
8. **SYSTEM**



Using a Mouse

- 2 1. **Left-Button:** While in a split-screen display mode, double-click an individual channel to view it in full-screen; double-click again to return to the split-screen display mode. While navigating menus, click to select a menu option; double-click to open the next menu.
2. **Right-Button:** Right-click anywhere on the screen to open the Virtual Remote; double-click anywhere on the screen to return to the previous menu.
3. **Scroll-Wheel:** Move the scroll wheel up or down to increase/decrease the value of a selected menu option.



Touch Panel Tips and Tricks

- 3 If using the Touch panel, you will often use the following buttons when controlling the system:

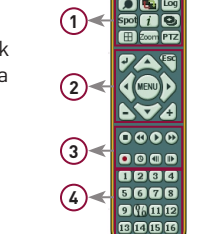
- : Menu: move cursor up; Playback: pause playback; Live viewing: show/hide OSD; clear channel icons
- : Menu: move cursor down; Playback: stop playback; Live viewing: open Log menu
- : Menu: move cursor left; Playback: increase reverse playback speed; Live viewing: start/stop recording
- : Menu: move cursor right; Playback: increase forward playback speed; Live viewing: start/stop scheduled recording
- Press the **MENU/ESC** button to open the main menu and close windows.
- Press the button to increase values for selected menu options.
- Press the button to decrease values for selected menu options.
- Press the button to enter/confirm.



Using the Virtual Remote

- 4 Right-click anywhere on the screen to open the Virtual Remote. The Virtual Remote gives you quick access to many of the system's features using only a USB mouse (included).

1. **Quick Function Keys**
2. **Navigation/Menu**
3. **Playback controls**
4. **Channel Buttons**



Using the Virtual Keyboard

- 5 When configuring certain options, such as Camera Title, the Virtual Keyboard opens to make mouse input easier.



Congratulations! You have completed STEP 1 & 2 successfully. Your DVR is now ready to use. Refer to the owner's manual to learn how to record, playback and use all other features available with this DVR.

SET-UP LOCAL VIEWING ON YOUR PC

STEP 3

LOCAL VIEWING INSTALLATION GUIDE

Time: 30 Minutes

Hardware

PC/Router

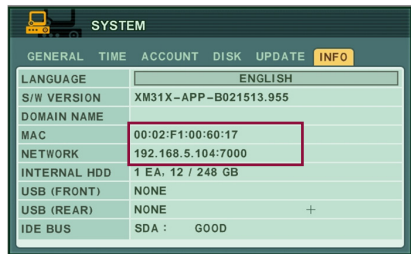
Skills - Intermediate



This step relates to remote viewing over the LAN (local area network) by using a PC located on the same network as that of the DVR.

Retrieve the DVR Information

- 1 To record your IP & MAC Addresses, press the **◀(REWIND)** button on the remote control (enter password if required) or
 1. Open the **MAIN MENU** and select **SYSTEM**.
 2. Under the **INFO** tab, you will find your system's IP address.



Record the information in the section below:

IP ADDRESS: _____

MAC ADDRESS: _____

PORT: 80

(Required for DDNS registration)

Install Software (LOCALLY):

- 2 Insert the software CD into your computer's CD/DVD-R drive. At the prompt, run or double-click **CMS-DH.exe setup file**



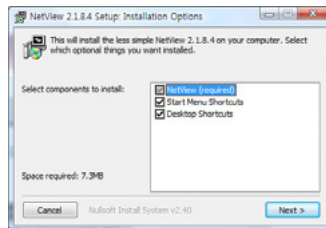
Computer - not included

CMS-DH Central Management Software (LOCALLY):

- 3 Follow the installation screen to complete **CMS-DH Software** installation.

CMS-DH is a central management software that allows you to view and manage up to 300 DH200 series DVRs.

NOTE: You may receive installation warnings. This is normal. Accept the security warnings to continue.



- 4 Click **Yes** to restart the computer when prompted. A shortcut icon appears on your desktop.



SET-UP LOCAL VIEWING ON YOUR PC

STEP 3

LOCAL VIEWING INSTALLATION GUIDE

Time: 30 Minutes

Hardware

PC/Router

Skills - Intermediate



CONTINUED

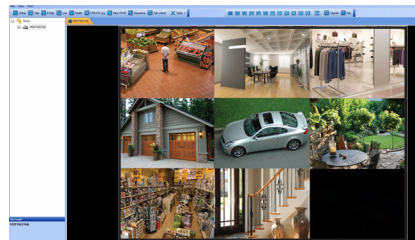
Run CMS-DH Software (LOCALLY):

NOTE: Make sure you have connected the DVR to your network and have the DHCP turned ON.



- 5 1. Double-click the **CMS-DH** icon on the desktop.

The **CMS-DH** main screen opens.



Live Viewing using CMS-DH Software (LOCALLY):



To add a DVR to CMS-DH:

1. Click **Device**.
2. Click **Scan** to locate connected DVRs on the network.
3. Click on the DVR you wish to add to CMS-DH, and then click **Apply→OK**.
 - The DVR appears on the left panel.
4. Click on the DVR you want to connect, and click the **Offline** button.
5. Double-click the name of the DVR to connect to the system.



LOCAL LIVE SITE

Double-click to connect to DVR

NOTE: To add another DVR from the network, you must click the Online button to disconnect the DVR. Then repeat steps 1-5 to add the new DVR.

NOTE: If you have changed the default password of the DVR, you must select the DVR from the list, then manually re-enter the new password in the Password field, and then click Apply and then OK.

Congratulations! You have completed Step 3 successfully. You can now view, playback video on your Local Computer via LAN (local area network).

SET-UP INTERNET REMOTE SECURITY MONITORING

STEP 4

REMOTE VIEWING INSTALLATION GUIDE

Time: 60 Minutes

Hardware

PC/Router

Skills - Advanced



CONTINUED

Port Forward your Router (manually):

- 1 Port forward your router first before proceeding with the set-up. You must forward Port: 80

All routers are different. To port forward your router, please refer to your router's user manual.

An example of a port forwarding screen is shown for illustration purposes.

Port: **80**

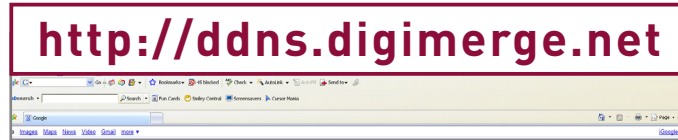
EXAMPLE

Port Range

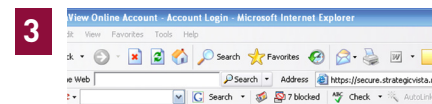
Application	Start	End	Protocol	IP Address	Enable
Web	80	80	Both	192.168.1.12	<input checked="" type="checkbox"/>

DDNS (Dynamic Domain Name System) Set-up:

- 2 Open your web browser (Internet Explorer by default) and enter <http://ddns.digimerge.net> in the address bar.



Create Account:

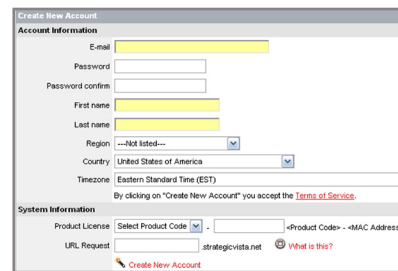


DIGIMERGE

Click the **"Create Account"** button.

4 Complete New Account Information

1. Complete the **Account Information** fields with your personal information. Complete the Warranty Information with your purchase details.
2. Complete the System Information fields.
3. **Product License (Code):** Select your product model from the Product License drop down menu. (e.g. DH200* Series)
4. **MAC Address:** The physical address of your system on your network.
5. **URL Request:** Enter a unique URL name (e.g. **tomsmith**).
NOTE: URL name should not be more than 15 characters.
6. Click **Create New Account** to create a new account and save your settings.
7. **Your Account** information will be sent to you at the email address you provided earlier.



SET-UP INTERNET REMOTE SECURITY MONITORING

STEP 4

REMOTE VIEWING INSTALLATION GUIDE

Time: 60 Minutes

Hardware

PC/Router

Skills - Advanced



CONTINUED

5 Registration Email:

An automated **REGISTRATION CONFIRMATION EMAIL** will be sent to your email. Print and Save this confirmation. You will need this information to access your System remotely.

Service Provider: dns1.digimergeddns.net

Domain Name: tomsmith.digimergeddns.net

User ID: tomsmith

Password: (your password)

EXAMPLE

6 Enter DDNS Set-up on your DVR:



ATTENTION: You **MUST** enter your DDNS information **LOCALLY** before attempting remote access.

1. Open the **MAIN MENU** and click **NETWORK**.
2. Select the **DDNS** tab.
3. Under **USE**, select **DIGIMERGE**.
4. Under **DOMAIN NAME**, enter only the **first portion of your DDNS** domain from the confirmation email. For example, if your domain name is **"tomsmith@digimerge.net"**, you only need to enter **"tomsmith"** in the text field.
5. Under **USER ID**, enter your **Digimerge DDNS user name**.
6. Under **PASSWORD**, enter your **Digimerge DDNS password**.

NOTE: Obtain your Digimerge DDNS user name and password from the confirmation email.

7. Under **DDNS TEST**, select **START**. You should receive a **"GOOD"** message. If there is an error, check your network connections; check that you have entered the correct domain name, user ID, and password.

8. Press **ENTER** to save your settings. Press **MENU/ESC** to close remaining windows.

Install Software (on your remote computer):

- 7 Insert the software CD into your computer's CD/DVD-R drive. At the prompt, run or double-click **CMS-DH.exe setup file**

Refer to Step 3, Section 3 - 5 for software installation.



Computer - not included

SET-UP INTERNET REMOTE SECURITY MONITORING

STEP 4

REMOTE VIEWING INSTALLATION GUIDE

Time: 60 Minutes

Hardware

PC/Router

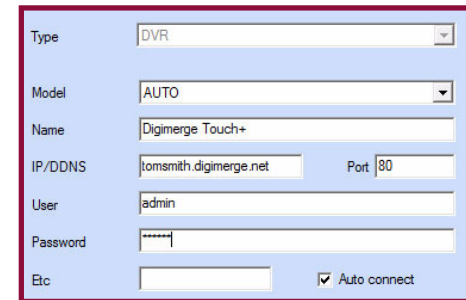
Skills - Advanced



CONTINUED

8 Adding a DVR using a DDNS Address:

ATTENTION: You **MUST** enter your DDNS information **LOCALLY** before attempting remote access. DVR should be disconnected from CMS-DH Software.

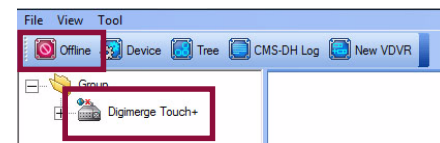


1. Click **Device**
2. In the Device manager window, click **Add**
3. Beside the Type drop-down menu, select **DVR**
4. Enter the following into the blank fields:
 - Name: Enter the DVR name of your choice.
 - IP/DDNS: Enter the DVR's DDNS address (for example tomsmith.digimerge.net)
 - Port: Enter the DVR's port number (by default, port **80**)
 - User: Enter the DVR's user name (by default, **admin**)
 - Password: Enter the DVR's password (by default, **000000**)

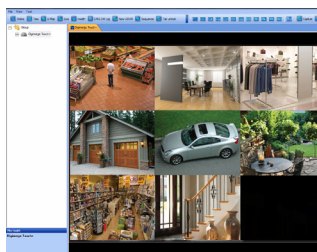
NOTE: Obtain your Digimerge DDNS user name and password from the confirmation email.

5. Click **Apply→Ok**.

6. Click the **Offline** button to connect to the DVR. Double-click the DVR icon to begin viewing.



9 Live Viewing using CMS-DH Software (REMOTELY):



REMOTE LIVE SITE

Once you have added the DVR, you can add multiple DVRs and view them in the tab. To switch DVR, click on the tabs near the top of the window.

For **Instant Mobile Connectivity** using a Smart Phone, refer to the User's Manual. Make sure to complete Port Forwarding Step 4.



Click the tab to switch DVR

Congratulations! You have completed Step 4 successfully. You can now connect over the internet to view and playback video.